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List of Reference Numerals

- 100 substrate
- 102 surface of the substrate
- 5 104 device area
- 106 contact area
- 108 area comprising no contact area and no device area
- 110 first cover layer
- 112a opening of the first cover layer 110 above a device
- 10 area 104
- 112b opening of the first cover layer 110 above a contact
- area 106
- 114 surface of the first cover layer 110
- 116 seed layer
- 15 118 filling material
- 120 surface of the filling material 118
- 122 edge regions of the substrate 100
- 130 planar surface area
- 132a surface of a filled-up opening 112a
- 20 132b surface of a filled-up opening 112b
- 134 plane of section of the seed layer 116
- 140 additional cover layer
- 142 opening of the additional cover layer 140
- 144 conductive layer
- 25 146 surface of the additional cover layer 140
- 148 remaining portion of the conductive layer 146
- 150 second cover layer
- 152 opening of the second cover layer 150 for exposing the
- filling material 118 in the device area 104
- 30 154 opening of the second cover layer 150 for exposing the
- remaining conductive layer 148
- 156 surface of the second cover layer 150
- 160 cavity
- 170 third cover layer
- 35 172 opening in the third cover layer 170
- 172a opening in the third cover layer 170
- 174 metal paste
- 176 conductive filling material

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178 surface of the third cover layer

180 solder bump

310 initial cover layer

5 312 opening in the initial cover layer 310

314 conductive layer

316 surface of the initial cover layer 310

318 remaining conductive layer

320 edge region of the substrate 100

10 322 outer sidewall of the first cover layer 110

15

FIG 1A

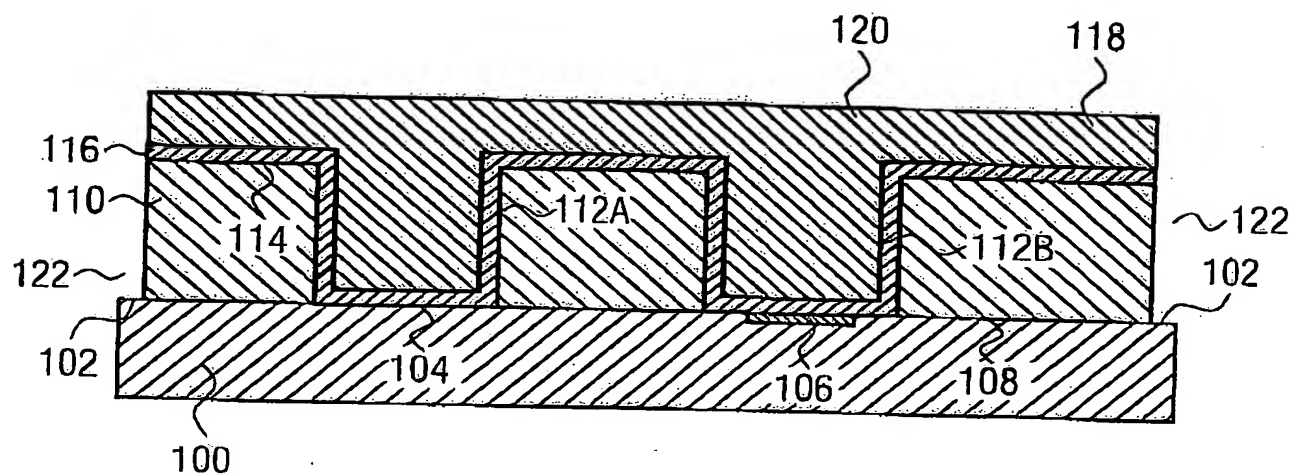


FIG 1B

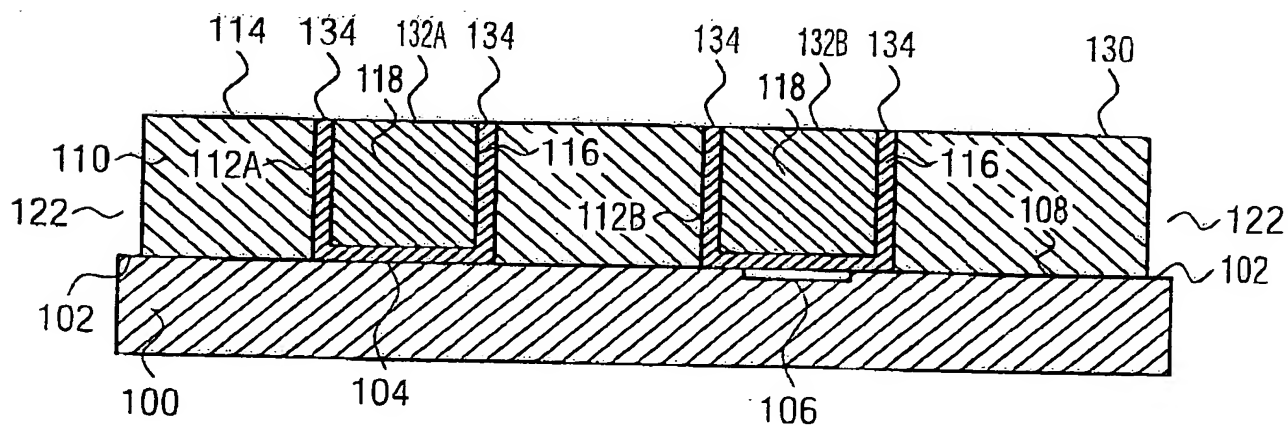


FIG 1C

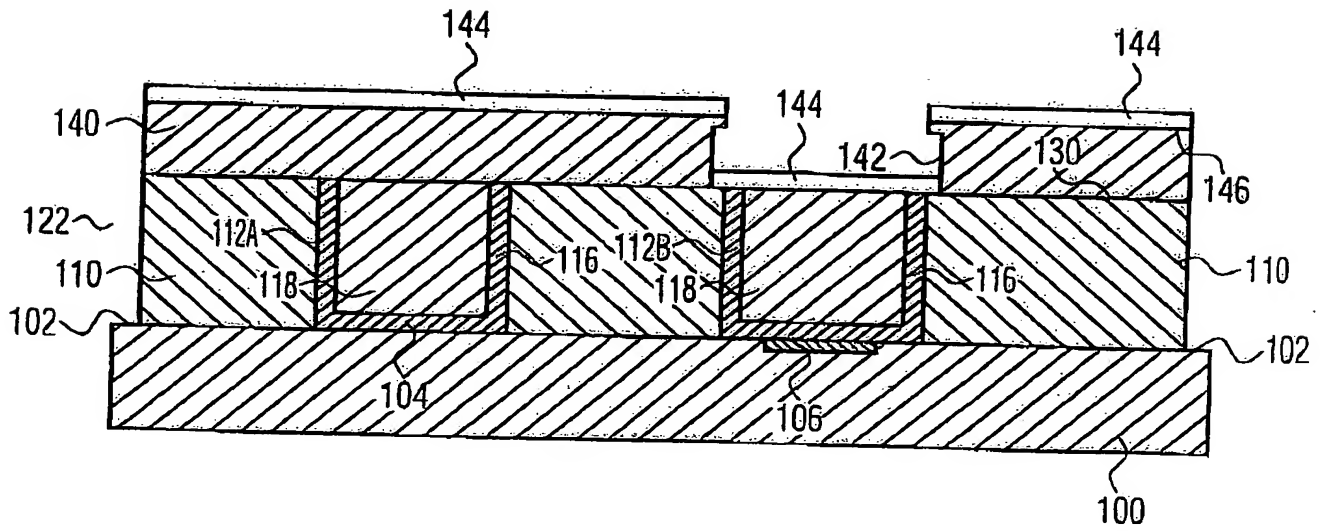


FIG 1D

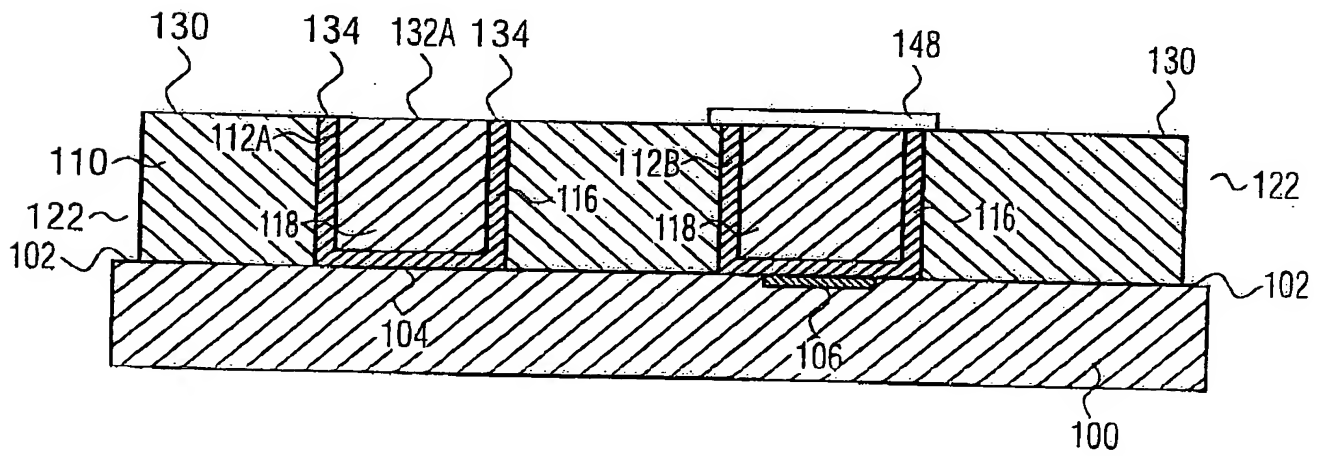


FIG 1E

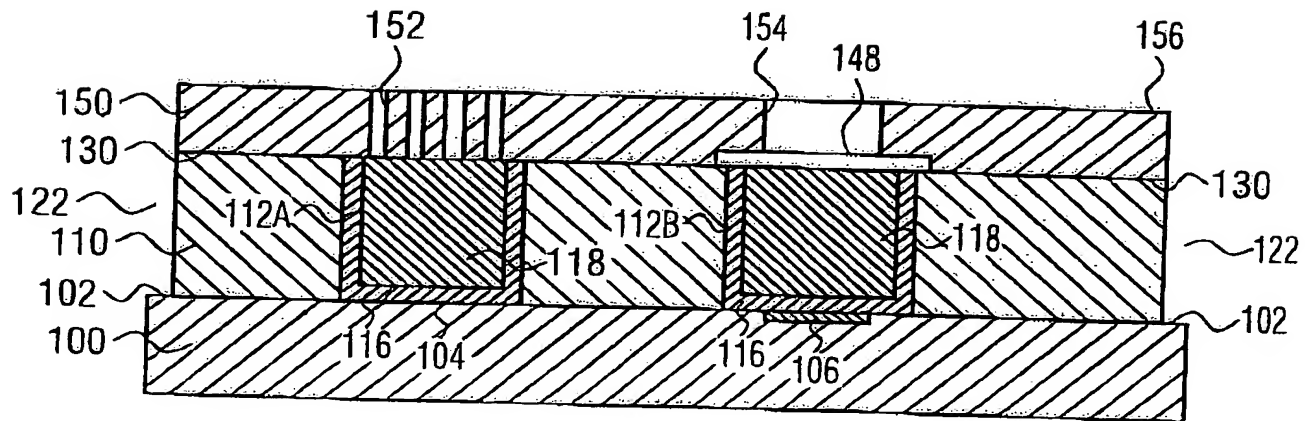


FIG 1F

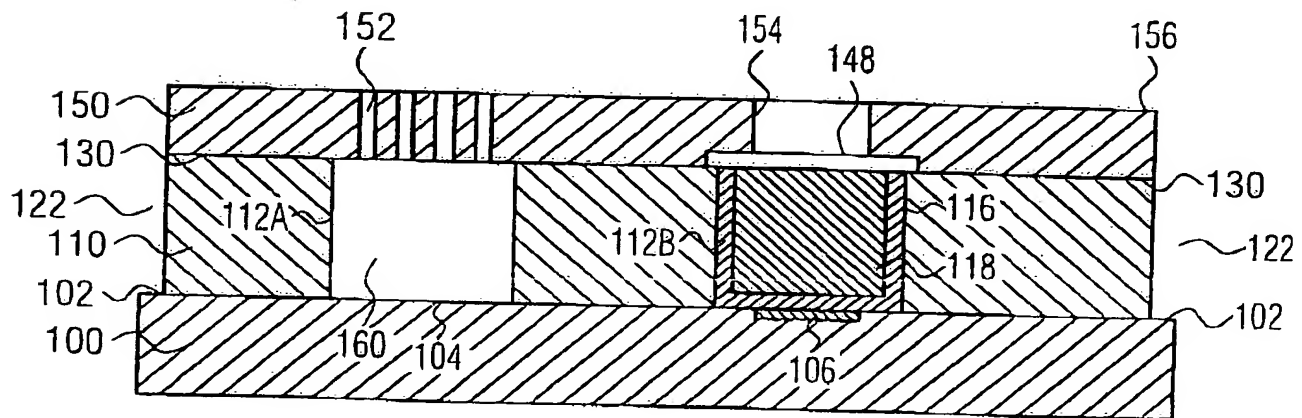


FIG 1G

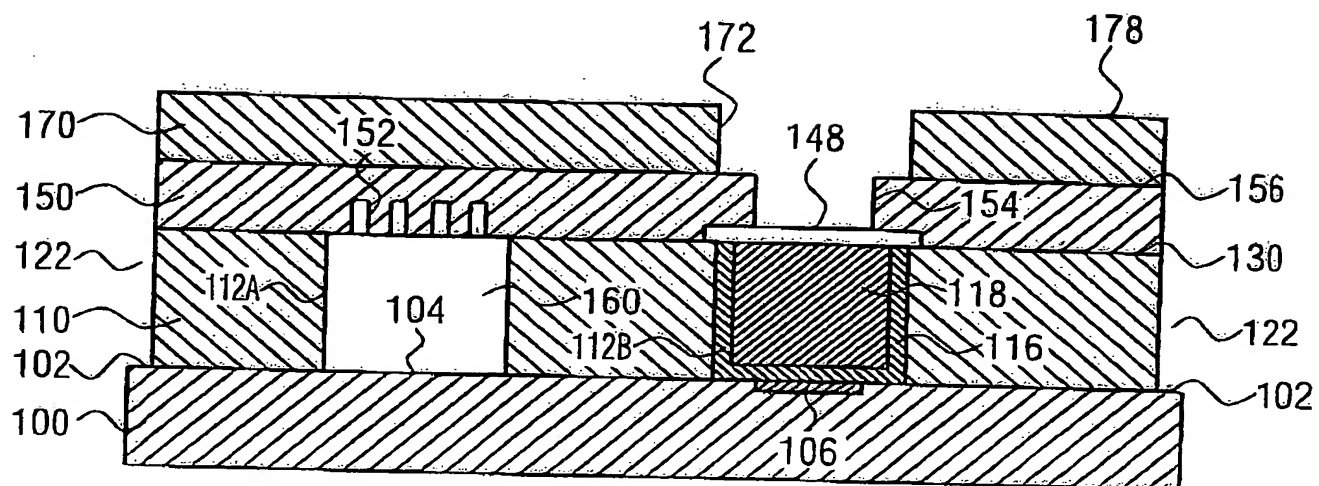


FIG 1H

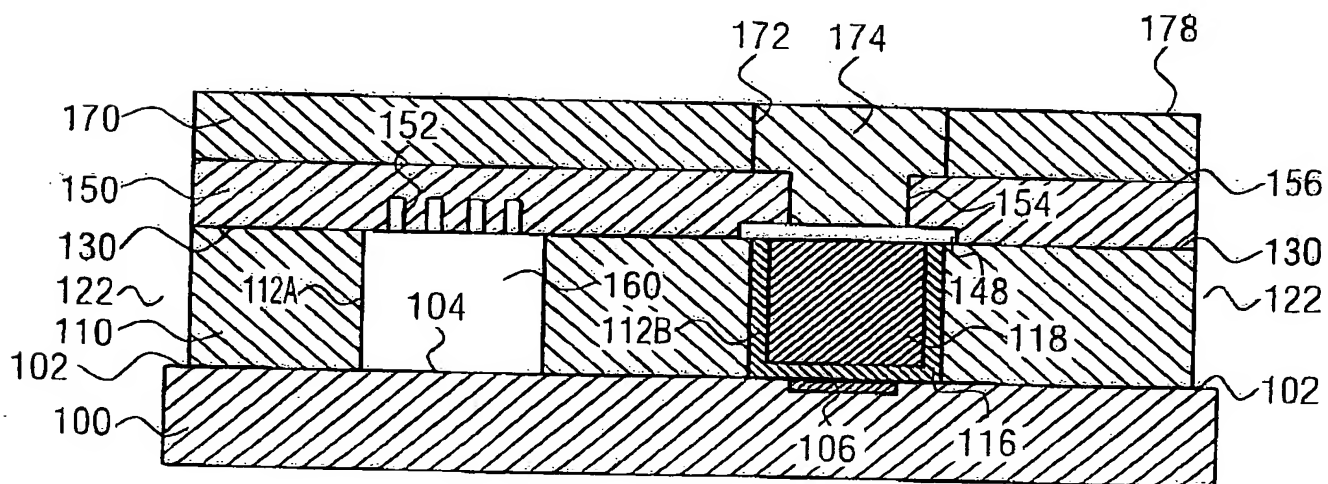


FIG 11

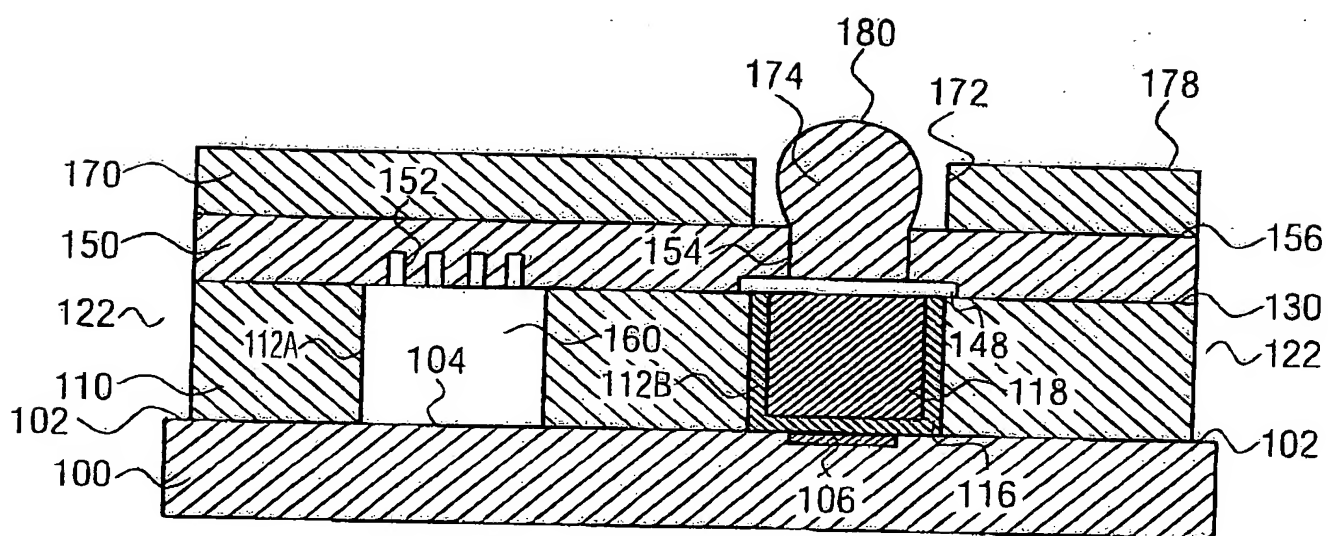


FIG 2A

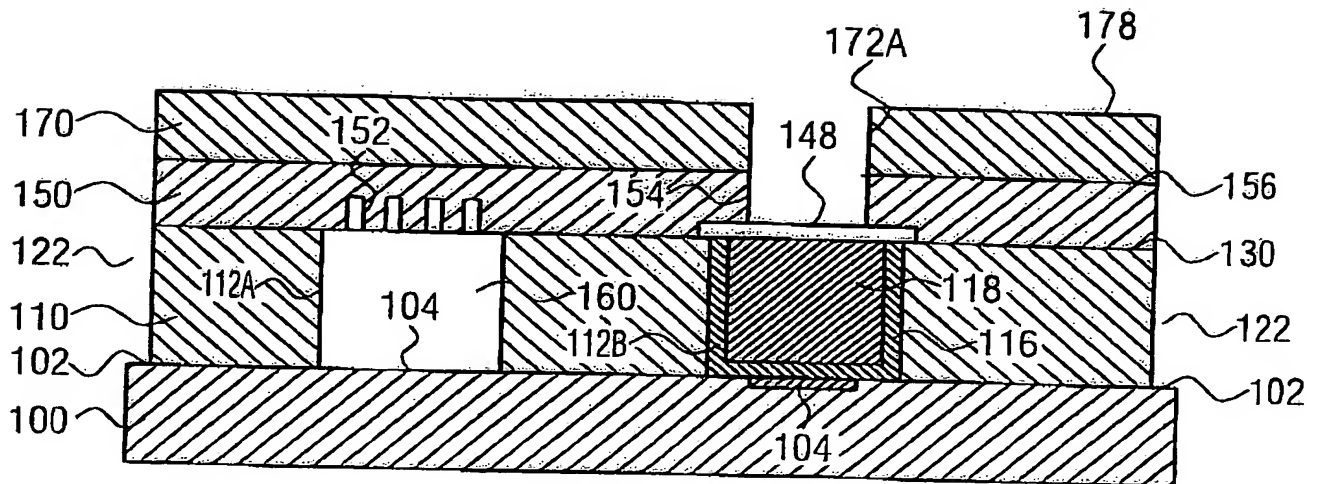


FIG 2B

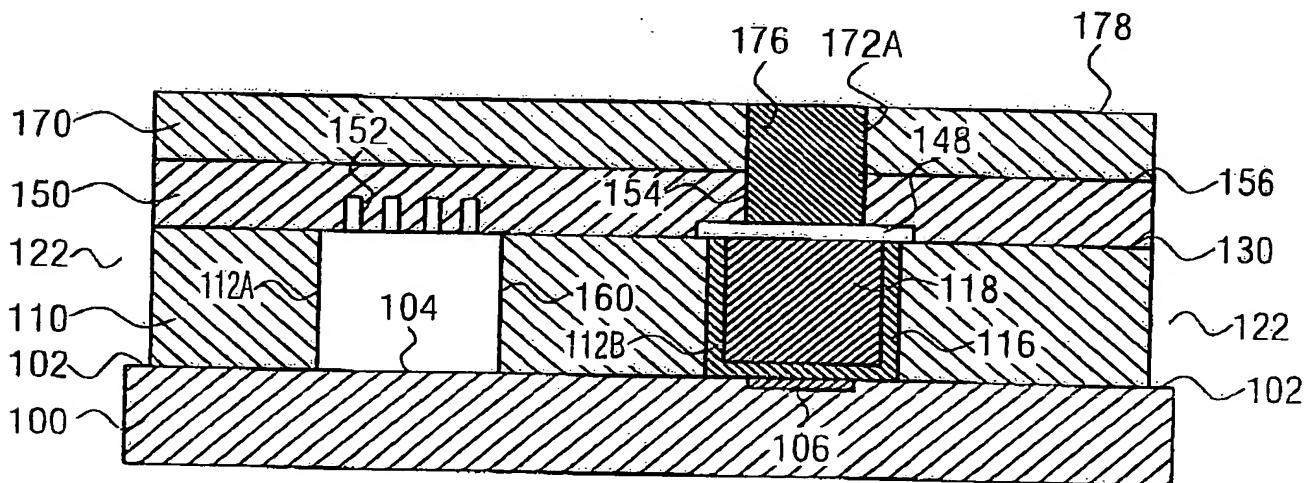


FIG 2C

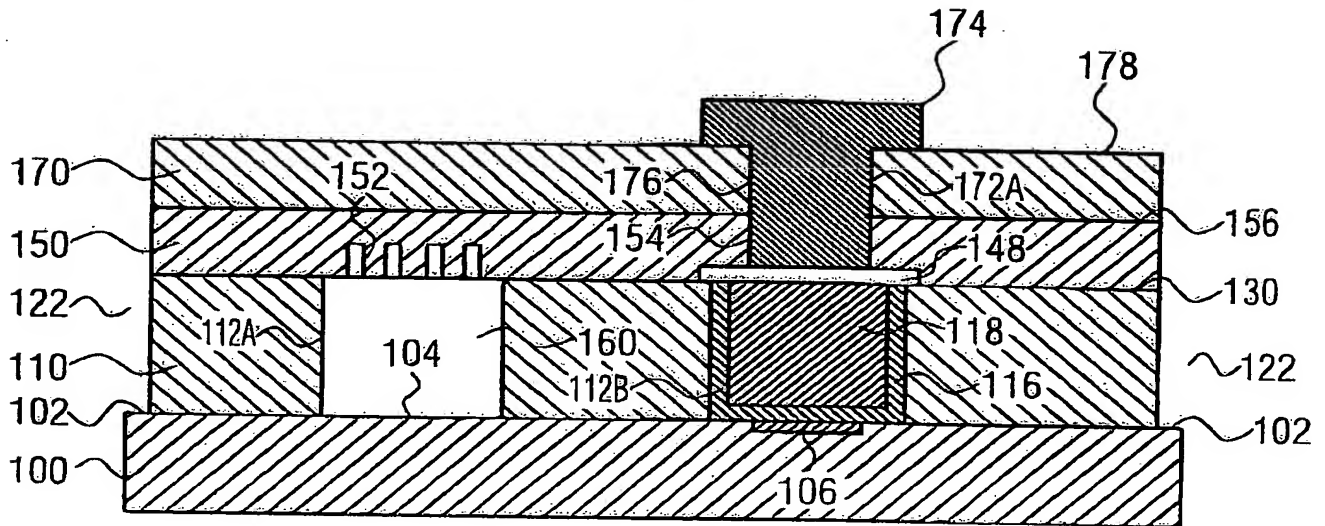


FIG 2D

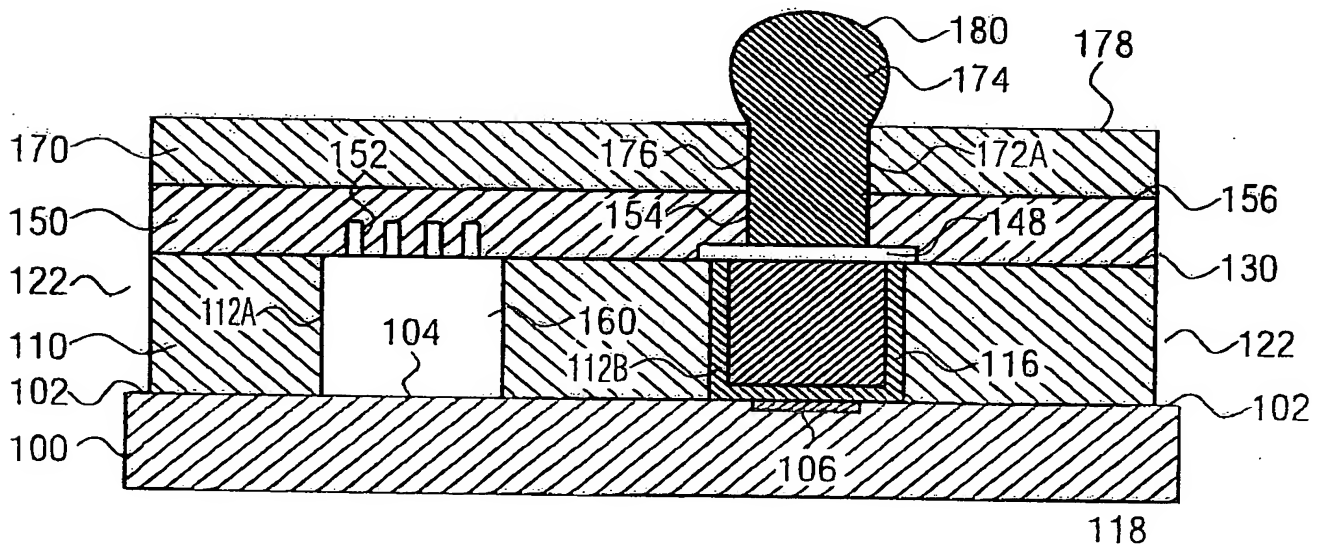


FIG 3A

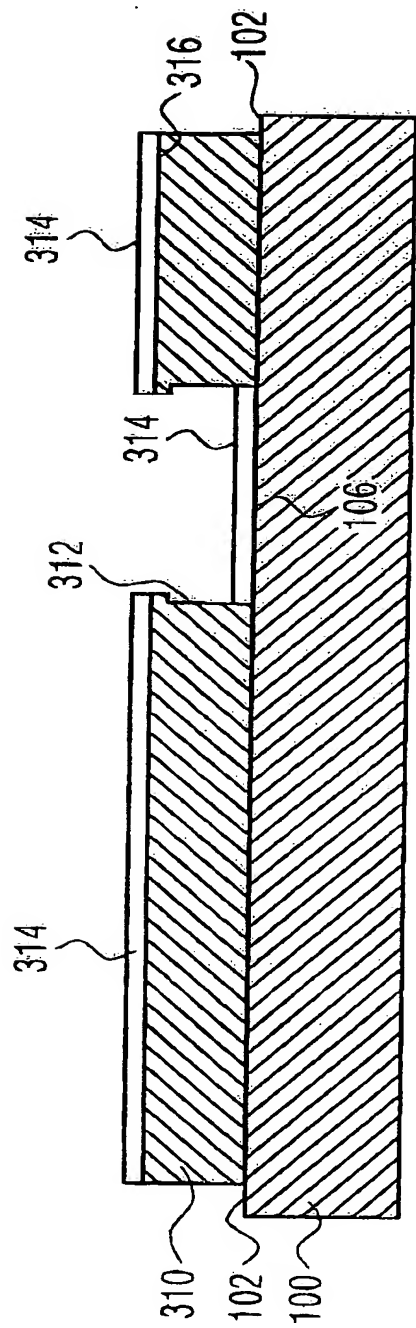


FIG 3B

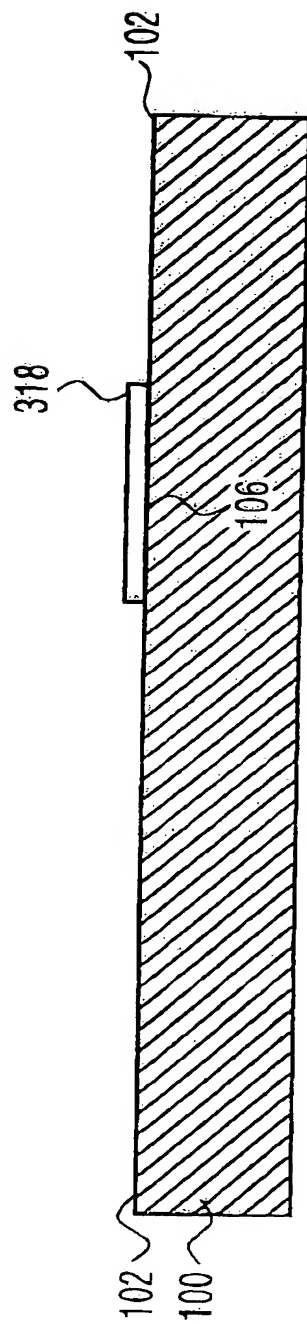


FIG 3C

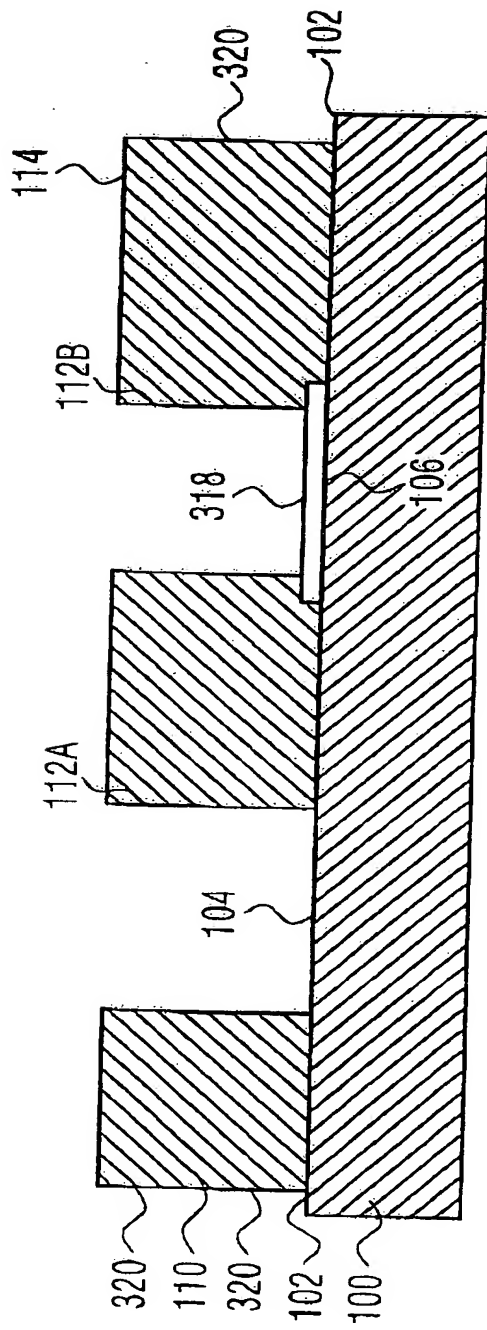


FIG 3D

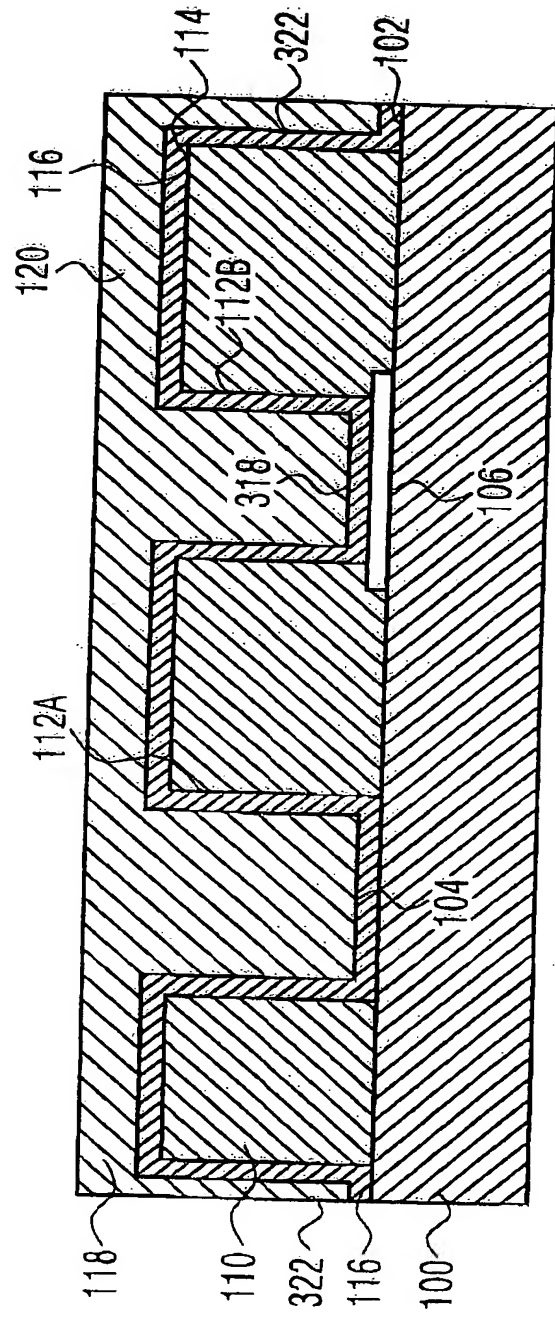


FIG 3E

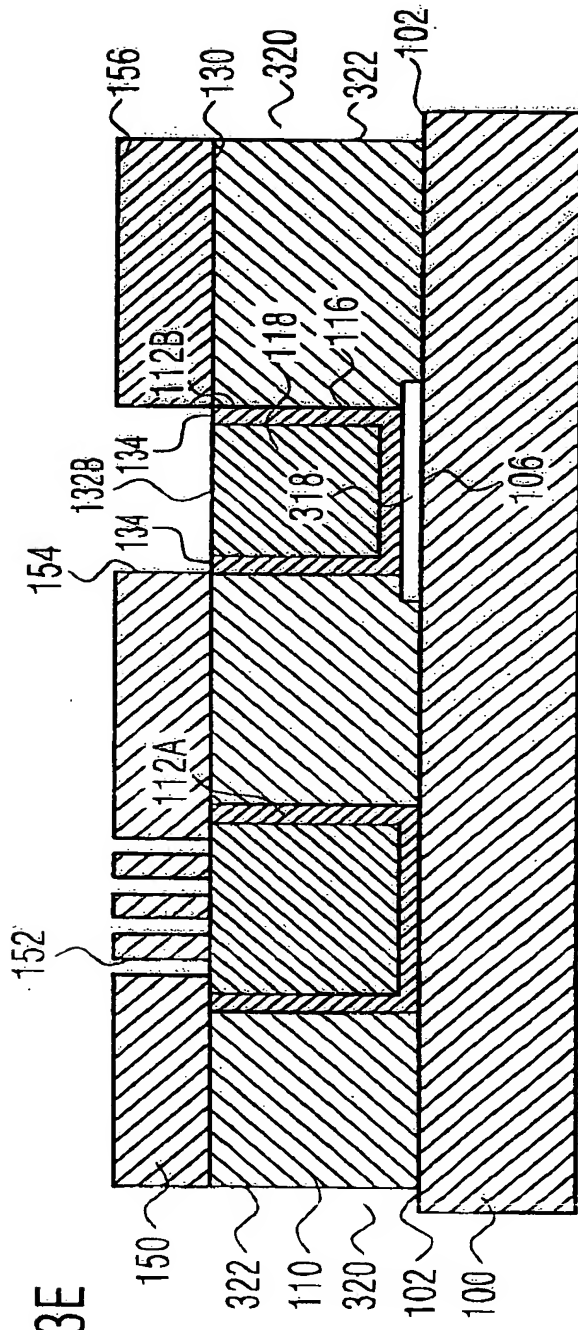
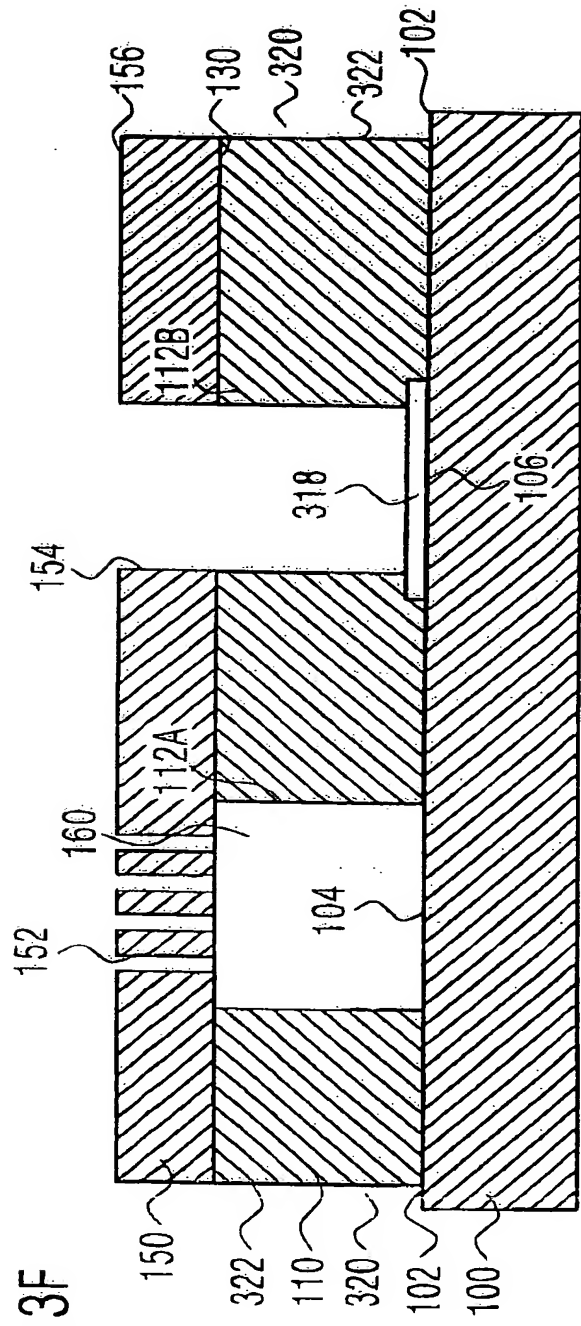


FIG 3F



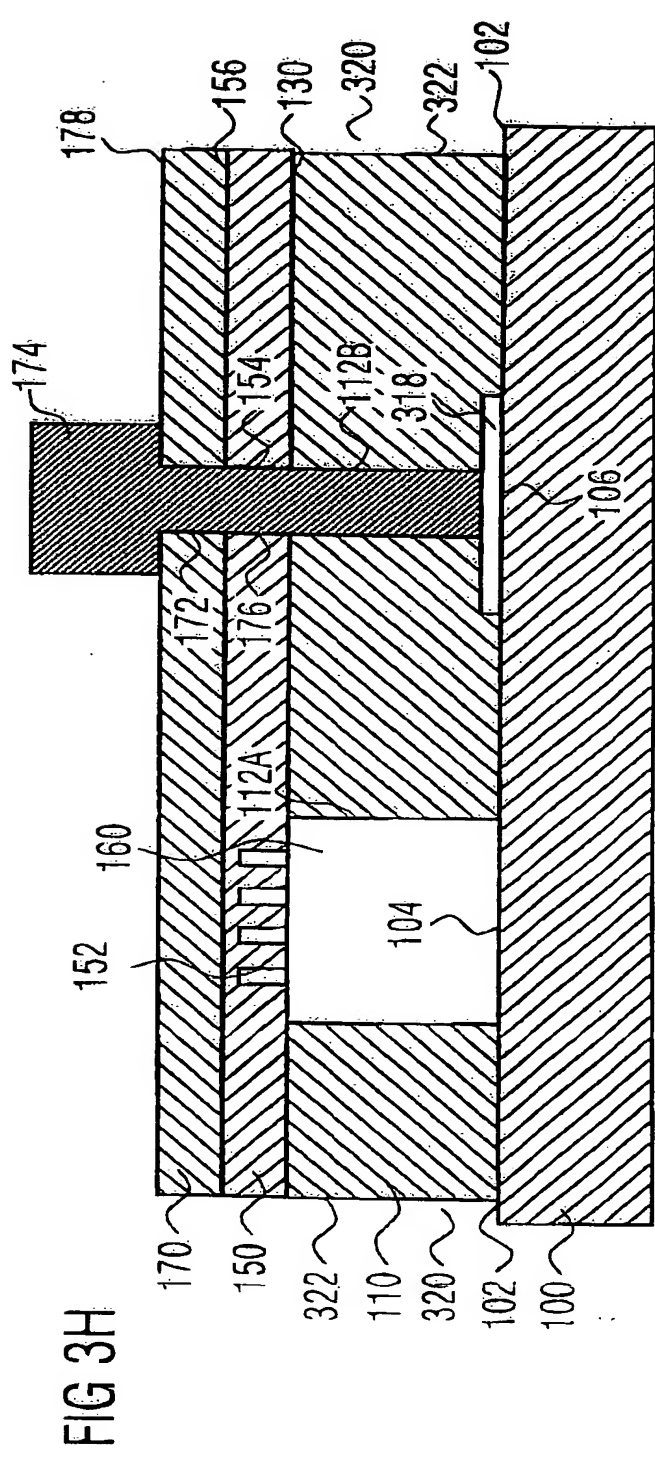
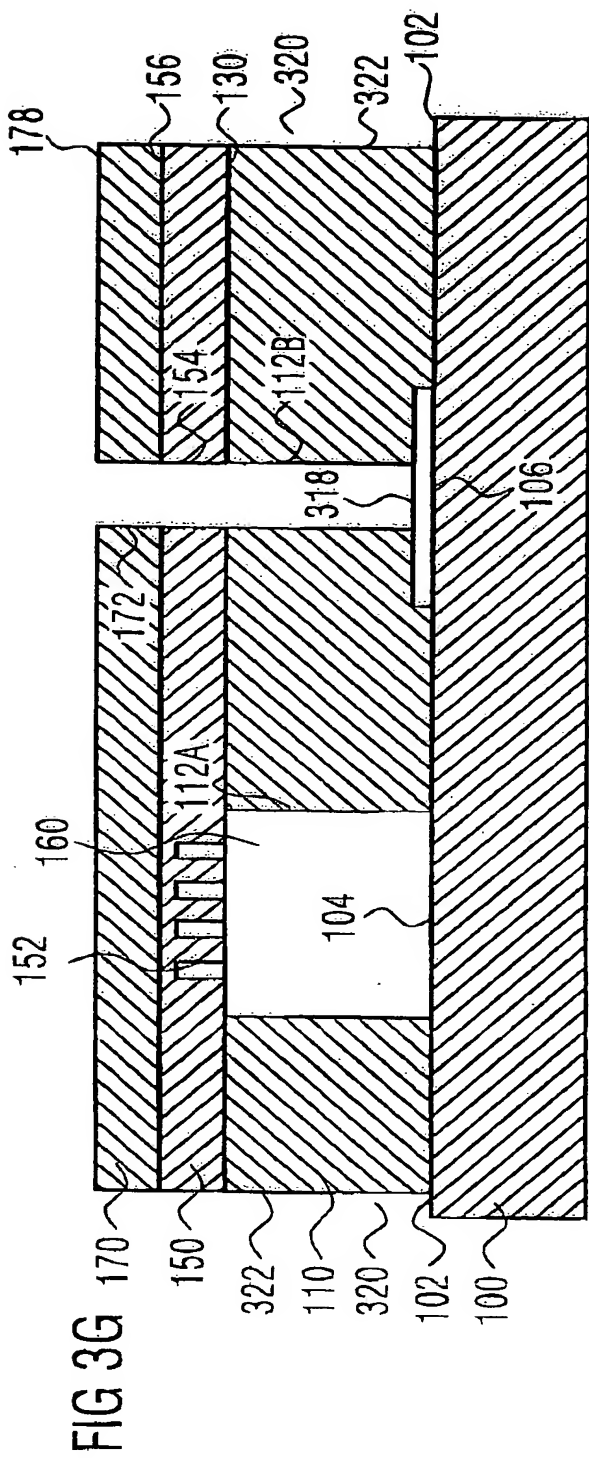


FIG 3I

